AEE/TDSD/SBR/17/20-21
21/07/2020.

Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

QM/F 33(B)

Bill No 1st and FINAL (For Other Works) Date.....

DASARAHALLI DIVISION T. DASARAHALLI DIVISION

Bill Received No Dated---------- Cash Book Voucher No dated----------

Scheduled Docket No Head of Account :P-3727 SC-SP/TSP MUKYAMANTRIGALA NAVA BENGALURU YOJANA

Est cost: Rs **99.00 Lakhs**

Name of work (as per sanctioned estimate) **Job Code No:-014-20-000015**

IMPROVEMENTS TO ROADS AND DRAINS AT KAREKALLU AND VINAYAKA NAGARA IN WARD NO.14, BAGALAGUNTE, DASARAHALLI-SUB-DIVISION

Name of Contractor:-M/S TECHINICAL MANAGER (WEST), KARNATAKA RURAL INFRASTRUCTURE DEVELOPMENT LIMITED.NO.280,59TH CROSS,17TH C MAIN ROAD, 3RD Y BLOCK, RAJAJINAGAR, BANGALORE 560010

Reference to Agreement No:EE/DD/AGR/504/2019-20 **Date-18-01-2020**

Certified that the measurements were taken by me on 15.04.20 and recorded in Pages 484839 484842 of measurement Book No 4849 and that the work is satisfactorily executed.

EXECUTIVE ENGINEER-1
KRIDL, BBMP DIVISON
BENGALURU-560 010

Contractor. **Officer in charge of work.**

Certified that the measurements were taken by me on ....and found correct.

The work is satisfactory executed. Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate usage on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub Division Officer.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಟಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ಬೆಂಗಳೂರು-560073.

If Memorandum of payment

1) Total value of work done or supplies made as per account within.	I[st] and Final Bill →	9691066=00
2) Deduct amount to be held in reserve being-------- percent Rs.....	IT →	43821=00
3) -do- Balance	LWC →	9691=00
4) Deduct payments :	CSF →	9691=00
a) Amount of previous payment as in the office cash book voucher No----------Dated----------S.D.No----------	KSD →	48455=00
b) Payments cost store or other materials supplied.	Roy →	14781=00
Now made recovery of amount creditable to this / other work	CGST →	86527=00
Amount paid on this bill cheque / cash	SGST →	86527=00
5) Balance being unpaid value of work done held in reserve	Fine →	1541=00
6) Deduct cash advance made on the office cash Book Voucher No---------- dated ----------less adjustments	(-)	1107352=00
7) Net amount due to or from contractor	Net Amount →	8583714=00
Unadjusted items		
8) Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied		

Contractor's Signature.

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISON
BENGALURU-560 010

Received Rs. (in words)

by cash and by adjustment of payment as per memorandum.

(For office use)

Witnesses : 1.

2

Dated Signature of contractor

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISON
BENGALURU-560 010

Paid by me by cheque No Dated

Cash Rs Dated

Initials of officer making payment

Stamp

Audited and admitted for Rs. 9691066=00

Passed by Cheque for Rs. 8583714=00

Eighty five lakhs Eighty three thousand Seven Hundred Fourteen only

by adjustment 1107352=00

Accounts Superintendent

Exe. Engineer

B.B.M.P. Dasarahalli Division

Executive Engineer.

		Unit	Previous Measurement		Present Measurement			Total Up-to-date		Remarks
			Qty.	Cost	Qty	Rate	Cost	Qty	Cost	
1	Removing and Stocking of BS slab. All lead and lift complete as per specification and as per the directon of the engineer in charge of the site.	Sqm	0.00	0.00	574.20	104.98	60280.00	574.20	60280.00	
2	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1. 00 km and complete as per specifications. MORTH Specification No.301. All lead and lift complete as per specification and as per the directon of the engineer in charge of the site.	Cum	0.00	0.00	1267.62	43.46	55091.00	1267.62	55091.00	
3	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH I Chapter 3. All lead and lift complete as per specification and as per the directon of the engineer in charge of the site.	Cum	0.00	0.00	12.76	137.80	1758.00	12.76	1758.00	
4	KSRB 4-1.7: Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per Specification No. KBS 4.1, 4.2 All lead and lift complete as per specification and as per the directon of the engineer in charge of the site.	Cum	0.00	0.00	99.28	5714.97	567394.00	99.28	567394.00	
5	KSRRB M2200-5.12. Providing and laying Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.7 cum and fine aggregates @ 0.47 cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008. i) Upto 5 m height. All lead and lift complete as per specification and as per the directon of the engineer in charge of the site.	Cum	0.00	0.00	209.02	5775.37	1207171.00	209.02	1207171.00	
6	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. MORTH Specification No.1600 & 2200 -do- TMT Bars Fe 500. All lead and lift complete as per specification and as per the directon of the engineer in charge of the site.	TONNE	0.00	0.00	14.51	72326.98	1049283.00	14.51	1049283.00	
7	KSRRB M2200-1 Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing foce. Complete as per drawing and Technical Specifications including cost of materials, labour, HOM complete as per specifications. MORTH Specification No.2706 & 2200. All lead and lift complete as per specification and as per the directon of the engineer in charge of the site.	RMT	0.00	0.00	54.75	155.82	8531.00	54.75	8531.00	
8	Removing and resetting of footpath slab. All lead and lift complete as per specification and as per the directon of the engineer in charge of the site.	Sqm	0.00	0.00	0.00	208.82	0.00	0.00	0.00	QTY NOT OPERATED
9	KSRB 15.2.2 : Providing ruled pointing 20 mm deep to stone slab pavements with cement mortar 1:3, 20mm deep, after raking joints nicely lining, including cost of materials, labour, curing complete as per specifications. All lead and lift complete as per specification and as per the directon of the engineer in charge of the site.	Sqm	0.00	0.00	0.00	49.06	0.00	0.00	0.00	
10	Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges , curing and concrtee finished surface on both sides etc, and complete as per the directions of Enginner in charges. (Data Rate). All lead and lift complete as per specification and as per the directon of the engineer in charge of the site.	Sqm	0.00	0.00	574.20	1615.00	927333.00	574.20	927333.00	

11	Providing and fixing Precast RCC slab of 250mm thick for Culverts made of Plain/Reinforced Cement Concrete design mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregates @ 0.47cum, with superplasticizer @3lts confirming to 189103-1999 Reaffirmed 2008,0pen Foundation complete as per Drawing and Technical Specification including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications and pointing for joints 1:3 cement mortar including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per the directions of Engineer in-Charge. (Data Rate). All lead and lift complete as per specification and as per the directon of the engineer in charge of the site.	Sqm	0.00	0.00	11.04	3674.00	40561.00	11.04	40561.00
12	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications. MORTH I Chapter 3. All lead and lift complete as per specification and as per the directon of the engineer in charge of the site.	Sqm	0.00	0.00	2499.62	6.36	15898.00	2499.62	15898.00
13	Cement Concrete Pavements KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1 ,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a hatching plant, transported to site,laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5 -do- with OPC at 150 kg/cum and coarse aggregate 0.86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver. All lead and lift complete as per specification and as per the directon of the engineer in charge of the site.	Cum	0.00	0.00	259.70	3944.51	1024383.00	259.70	1024383.00
14	KSRRB M400-17. Providing, laying, spreading and compacting Crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed material by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No.406. All lead and lift complete as per specification and as per the directon of the engineer in charge of the site.	Cum	0.00	0.00	259.06	2001.28	518442.00	259.06	518442.00
15	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to18:383-2016, with Superplastizer at 3 Its conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades,textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. -do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. All lead and lift complete as per specification and as per the directon of the engineer in charge of the site.	Cum	0.00	0.00	374.94	5354.02	2007449.00	374.94	2007449.00
16	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. All lead and lift complete as per specification and as per the directon of the engineer in charge of the site.	NO'S	0.00	0.00	1417.00	435.84	617585.00	1417.00	617585.00
17	KSRRB M800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications,MORTH Chapter 8. All lead and lift complete as per specification and as per the directon of the engineer in charge of the site.	Sqm	0.00	0.00	446.60	84.80	37872.00	446.60	37872.00

18	KSRRB M300-19 Removal of unserviceable soil including excavation, loading and disposal but excluding replacement by suitable soil which shall be paid separately as per clause 300.5 complete as per specifications MORTH Specification No. 301. All lead and lift complete as per specification and as per the directon of the engineer in charge of the site.	Cum	0.00	0.00	1279.38	34.98	44753.00	1279.38	44753.00
19	KSRRB M100-4.1. Cost of haulage Excluding Loading and Unloading MORTH-100/Chapter 1 case-I surface road. All lead and lift complete as per specification and as per the directon of the engineer in charge of the site.	Cum	0.00	0.00	1275.96	69.12	88195.00	1275.96	88195.00
20	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications. All lead and lift complete as per specification and as per the directon of the engineer in charge of the site.	Cum	0.00	0.00	0.496	1901.00	943.00	0.50	943.00
		Cum	0.00	0.00	0.496	1901.00	943.00	0.50	943.00
		Cum	0.00	0.00	0.372	2651.00	986.00	0.37	986.00
		Cum	0.00	0.00	0.248	2651.00	657.00	0.25	657.00
		Cum	0.00	0.00	0.372	1901.00	707.00	0.37	707.00
21	Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984- 995 with latest amendments and conveyingto work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bends, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc. for : HDPE Grade PE80-PN6.0, 630 mm dia. (Perforated Pipe for Rain Water Harvesting Pit). All lead and lift complete as per specification and as per the directon of the engineer in charge of the site.	RMT	0.00	0.00	7.20	10822.32	77921.00	7.20	77921.00
22	Providing of Geonets for Rain Water Harvesting pit on top of the filter media as specified in drawings or as approved by Engineer Incharge. All lead and lift complete as per specification and as per the directon of the engineer in charge of the site.	Sqm	0.00	0.00	1.24	71.03	88.00	1.24	88.00
		Total					8354224.00		8354224.00
							TOTAL		8354224.00
							ADD 4% KRIDL CHARGES		334169.00
							TOTAL AMOUNT		8688393.00
							ADD 12% GST TO SR ITEMS		1042607.00
							NET AMOUNT PAYABLE OF RS		9731000.00

Certificate:-

1 .The contractor has executed the work satiesfactory Hence the bill is Recommended for payments

2 . The contractor has cleared all the Debries from work spot.

3 .works comes under BBMP Limit.

Assistant Engineer-14

Assistant Executive Engineer
T Dasarahalli Sub-Division

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ಬೆಂಗಳೂರು-560073.